

NEW RECORDS OF PORTUNIDS FROM SOUTHERN QUEENSLAND

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The portunid fauna of Australia, and particularly that of Queensland, has been worked upon intensively for over a decade (Stephenson and Hudson, 1957; Stephenson, Hudson and Campbell, 1957; Stephenson and Campbell, 1959, 1960; Stephenson, 1959, 1961; Rees and Stephenson, 1966; Stephenson and Rees, 1968a, b, c). As a result recordings of portunids new to Australia and to Queensland might only be expected at infrequent intervals. Griffin (1969) has, surprisingly, recorded two species new to Australia and one new to Queensland from One Tree Island in the Capricorn Group. These records are of *Charybdis obtusifrons* Leene, *Thalamitoides quadridens* A. Milne Edwards, and *Portunus longispinosus* (Dana) respectively.

The present work adds two new Australian records, and two new Queensland records, and results from collections from a relatively unexplored region, albeit one not very distant from Brisbane. The collections were made by Dr. A. J. Bruce, and were sorted from 60 trawled collections made on the 1/68 cruise of the "Nimbus". The area of investigation lay between Moreton Island and Double Island Point, at distances of up to 40 miles offshore.

The extension of prawn trawling in recent years from Moreton Bay to offshore waters has already revealed interesting material, including amongst the portunids large numbers of *Charybdis bimaculata* (Miers), the "cold water" *Macropipus corrugatus* (Pennant) (see Rees and Stephenson, 1966), and the previously undescribed *Charybdis rufodactylus* Stephenson and Rees, 1968a. Amongst the fishes from the area, Thomson (1967) has described two new species, (*Kanekonia aniara* and *Aulopus curtirostris*) and a first Queensland record. Interesting stomatopods from offshore waters have also been collected, and two species in the authors' collections merit further study. It appears almost certain that intensive benthic collecting of offshore areas by trawl, dredge and grab would reveal a wealth of new material.

Relevant material from Dr. Bruce's collections is listed below. The ultimate entry under each recording is the registered number in the collections of the Queensland Museum; the Station numbers refer to the "Nimbus" 1/68 Cruise, and dimensions are of carapace breadth.

Parathranites orientalis Miers

Lupocyclus (Parathranites) orientalis Miers, 1886, pp. 186–7, pl. 17, fig. 1, fig. 1a–c.

Parathranites orientalis (Miers). Alcock, 1899, pp. 17–18. Sakai, 1939, pp. 376–7, pl. 43, fig. 2. Barnard, 1950, pp. 148–50, figs. 29 i–l. Stephenson, 1961, pp. 97–8, figs. 1B, 2H, pl. 1, fig. 2, pl. 4B. Crosnier, 1962, p. 22, fig. 24. Sakai, 1965, p. 113, pl. 51, fig. 1. Stephenson and Rees, 1967a, pp. 7–8 (record only).

One male (24.5 mm), one female (20 mm), Sta. 11, 26°31'S., 153°43'E., 100–102 fm, 26.vii.1968, W3085. One male (25 mm), Sta. 19, 26°49'S., 153°37'E., 100–100.5 fm, 27.vii.1968, W3086. Two males (23.5–24 mm), Sta. 26, 27°00'S., 153°39'E., 100 fm, 28.vii.1968, W3087. One male (14 mm), Sta. 29, 26°30'S., 153°44'E., 100.5 fm, 29.vii.1968, W3088.

Previously recorded from Madagascar; Seychelles; India; Andamans; Kai Is.; Admiralty Is.; eastern Australia (230 m, off Port Stephens, New South Wales) and Solomon Bank. New Queensland record.

Lissocarcinus arkati Kemp

Lissocarcinus arkati Kemp, 1923, pp. 405–8, pl. 10, fig. 1. Chopra, 1931, pp. 310–11 (under *L. ornatus*). Gordon, 1931, p. 533. Leene, 1938, pp. 6–7. Sakai, 1939, p. 381, pl. 80, fig. 4. Crosnier, 1962, pp. 23–5, figs. 28, 32.

One ovig. female (22 mm), Sta. 8, 26°30'S., 153°15'E., 25.5–26.5 fm, 26.vii.1968, W3089.

Previously recorded from Madagascar; mouth of River Hughli, India; Hongkong; Gier Sta. at c. 106°44'E., 3°22'S. (S. of Java); and Japan. New Australian record.

Thalamita macropus Montgomery

Thalamita macropus Montgomery, 1931, pp. 431–2, pl. 24, fig. 4, pl. 28, fig. 2 (inaccurate in fig. 2a). Stephenson and Hudson, 1957, pp. 343–4, figs. 2J, 3J, pl. 4, fig. 1, pls. 7J, 10H. Stephenson, 1961 p. 122.

One male (10.5 mm), Sta. 24, 27°00'S., 153°33'E., 51–52 fm, 26.vii.1968, W3090.

Previously recorded only in Australia from Albrothos Is., Cape St. Cricq (Shark Bay), W. Australia; Port Stephens, Norah Hd., Pt. Gibbon, Manly, New South Wales. New Queensland record.

Lupocyclus philippinensis Semper

Lupocyclus philippinensis Semper, 1880, p. 68. Balss, 1922, p. 113. Sakai, 1939, pp. 383–4, pl. 80, fig. 3. Leene, 1940, pp. 174–6, fig. 5, pl. 3.

One female (15 mm), Sta. 8, 26°30'S., 153°15'E., 25·5–26·5 fm, 26.vii.1968, W3091. One male (23 mm), one female (16 mm), Sta. 17, 26°48'S., 153°32.5'E., 55 fm, 27.vii.1968, W3092.

Previously recorded from Madras to Philippines and Japan. New Australian record.

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